

Xiande Yang

List of Publications by Year in descending order

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84
papers

1,375
citations

430442

18
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377514

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all docs

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docs citations

84
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and photocatalytic mechanism of visible-light-driven Ag/AgBr/(I/S) composites for organic dyes degradation. <i>Optical Materials</i> , 2022, 123, 111947.	1.7	11
2	A multifunctional composite membrane with photocatalytic, self-cleaning, oil/water separation and antibacterial properties. <i>Nanotechnology</i> , 2022, 33, 355703.	1.3	4
3	The Construction of a ZnO/CdS Heterostructure with Synergistic Enhanced Effect in Photocatalytic and Self-Cleaning Performance. <i>Journal of Electronic Materials</i> , 2021, 50, 129-137.	1.0	0
4	Preparation of g-C ₃ N ₄ with High Specific Surface Area and Photocatalytic Stability. <i>Journal of Electronic Materials</i> , 2021, 50, 1067-1074.	1.0	18
5	Synthesis and photocatalytic mechanism of visible-light-driven AgBr/g-C ₃ N ₄ composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6158-6167.	1.1	2
6	Anodic Oxidation of TC4 Substrate to Synthesize Ce-Doped TiO ₂ Nanotube Arrays with Enhanced Photocatalytic Performance. <i>Journal of Electronic Materials</i> , 2021, 50, 3276-3282.	1.0	4
7	Thermal Oxidation and SILAR Method to Prepare CuO/CdS Composite Nanostructure and Its Enhanced Photocatalytic Properties. <i>Journal of Electronic Materials</i> , 2021, 50, 4762-4769.	1.0	1
8	Electrodeposition of ZnO Nanorods with Synergistic Photocatalytic and Self-Cleaning Effects. <i>Journal of Electronic Materials</i> , 2021, 50, 4954-4961.	1.0	6
9	Synthesis of narrow-band red-emitting SrLiAl ₃ N ₄ :Eu ²⁺ phosphor and the study of its influencing factors on luminescence performance. <i>Functional Materials Letters</i> , 2021, 14, 2151035.	0.7	0
10	Synthesis of AgBr/TiO ₂ /(I/S) composite and its enhanced photocatalytic performance to rhodamine B. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22868-22878.	1.1	2
11	Photocatalytic Degradation of Rhodamine B by TiO ₂ Pillared Illite/Smectite (Ti/(I/S)) under Visible Light Irradiation. <i>Crystal Research and Technology</i> , 2021, 56, 2100079.	0.6	6
12	CdS structures prepared in AAO nanochannels via different synthesis methods under limited conditions. <i>New Journal of Chemistry</i> , 2020, 44, 64-71.	1.4	5
13	Enhanced Photodegradation Activity of Organic Pollutants Contained in Sewage Through Construction of a CuO/Ag Composite Nanostructure. <i>Journal of Electronic Materials</i> , 2020, 49, 2032-2039.	1.0	7
14	The Composite of CuO/Diatomaceous Shale Prepared by Hydrothermal Method and Their Photocatalytic Properties. <i>Crystal Research and Technology</i> , 2020, 55, 1900166.	0.6	1
15	Electrodeposition and Photocatalytic Performance of Self-Assembled Tulip Flower/Mulberry-Like CuO Nanostructures. <i>Journal of Electronic Materials</i> , 2020, 49, 1482-1488.	1.0	1
16	Synthesis of CdS@ZnO nanocomposites with wide visible light absorption range. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17624-17632.	1.1	3
17	The Optical and Electrical Performance of CuO Synthesized by Anodic Oxidation Based on Copper Foam. <i>Materials</i> , 2020, 13, 5411.	1.3	9
18	An anti-UV superhydrophobic material with photocatalysis, self-cleaning, self-healing and oil/water separation functions. <i>Nanoscale</i> , 2020, 12, 11455-11459.	2.8	55

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19	Morphology-controllable synthesis and application of TiO ₂ nanotube arrays with photocatalysis and self-cleaning synergism. <i>New Journal of Chemistry</i> , 2020, 44, 5774-5783.	1.4	5
20	Effect of Doping Ce Ions on Morphology and Photocatalytic Activity of CuO Nanostructures. <i>Crystal Research and Technology</i> , 2019, 54, 1900033.	0.6	14
21	Construction of CuO/CdS composite nanostructure for photodegradation of pollutants in sewage. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15989-15999.	1.1	8
22	C@ZnO Self-assembly Composite Nanostructure with a Strong Absorption Capacity in UV-Visible Light and Its Optical Properties. <i>Journal of Electronic Materials</i> , 2019, 48, 7263-7269.	1.0	1
23	Synthesis and Influence Factors Study of 4A Molecular Sieve via Halloysite. <i>Journal of Electronic Materials</i> , 2019, 48, 7756-7761.	1.0	5
24	Synthesis, growth mechanism and photocatalytic property of CdS with different kinds of surfactants. <i>New Journal of Chemistry</i> , 2019, 43, 10126-10133.	1.4	18
25	Controllable Synthesis of MoS ₂ @TiO ₂ Composite Nanostructure by Anodic Oxidation-Hydrothermal Technique. <i>Journal of Electronic Materials</i> , 2019, 48, 2144-2151.	1.0	1
26	Photocatalytic Performance of Cubic and Hexagonal Phase CdS Synthesized via Different Cd Sources. <i>Journal of Electronic Materials</i> , 2019, 48, 2895-2901.	1.0	8
27	Tunable superamphiphobic surfaces: a platform for naked-eye ATP detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4721-4727.	1.9	10
28	Cu doped ZnO hierarchical nanostructures: morphological evolution and photocatalytic property. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2309-2315.	1.1	11
29	Eu ³⁺ -doped Sr ₂ (Al _{1-x} Mg _x)(Al _{1-x} Si _{1+x})O ₇ phosphors: electronic, crystal structures and photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1246-1254.	1.1	4
30	Fabrication of Both TiO ₂ Nanostructures and Cysteine-Modified AAO Membranes and Their Application in Chiral Selective Transport of Proteins. <i>Journal of Electronic Materials</i> , 2019, 48, 964-971.	1.0	5
31	Ce ³⁺ -doped silicate-based down-conversion phosphors: investigation on synthesis, structure and photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5573-5578.	1.1	2
32	Synthesis of Hierarchical Self-Assembled CuO and Their Structure-Enhanced Photocatalytic Performance. <i>Journal of Electronic Materials</i> , 2018, 47, 744-750.	1.0	4
33	Confined assembly of TiO ₂ nanostructures in the nanochannels of AAO membrane. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4933-4939.	1.1	1
34	Enhancing Photocatalytic Activity on (MnO@TNTAs):Mn ²⁺ with a Hierarchical Sandwich-Like Nanostructure via a Two-Step Procedure. <i>Journal of Electronic Materials</i> , 2018, 47, 2800-2807.	1.0	0
35	Controllable synthesis of self-assembled MoS ₂ hollow spheres for photocatalytic application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 753-761.	1.1	6
36	Recent Advances in Solid Nanopore/Channel Analysis. <i>Analytical Chemistry</i> , 2018, 90, 577-588.	3.2	112

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37	Preparation and characterization of ZnO/ZnS core/shell nanocomposites through a simple chemical method. <i>Advanced Composite Materials</i> , 2018, 27, 387-396.	1.0	4
38	Nanostructures confined self-assembled in biomimetic nanochannels for enhancing the sensitivity of biological molecules response. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19757-19767.	1.1	53
39	Enhanced Photocatalytic Activity of La ³⁺ -Doped TiO ₂ Nanotubes with Full Wave-Band Absorption. <i>Journal of Electronic Materials</i> , 2018, 47, 5291-5295.	1.0	5
40	Facile synthesis of ZnS-ZnO nanocomposites for enhanced photocatalytic activity. <i>Materials Research Innovations</i> , 2017, 21, 74-78.	1.0	1
41	Synthesis, structure, and photoluminescence properties of Ce ³⁺ and Tb ³⁺ doped alkaline-earth silicate Sr ₂ MgSi ₂ O ₇ phosphors for WLEDs. <i>Journal of Materials Research</i> , 2017, 32, 547-556.	1.2	7
42	Synthesis of S-doped hierarchical ZnO nanostructures via hydrothermal method and their optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1785-1792.	1.1	11
43	New thoughts into the fabrication of ZnO nanoparticles: confined growth in the channels of AAO membrane and its formation mechanisms. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14163-14169.	1.1	3
44	Comparative Study of Structural and Photocatalytic Properties of M-Doped (M=Ce ³⁺ , Zn ²⁺ , Cu ²⁺) Dendritic-Like CdS. <i>Journal of Electronic Materials</i> , 2017, 46, 1598-1606.	1.0	5
45	Synthesis and Photocatalytic Properties of Ce-Doped TiO ₂ Nanotube Arrays via Anodic Oxidation. <i>Journal of Electronic Materials</i> , 2017, 46, 4791-4797.	1.0	11
46	Synthesis and photo-catalytic property of TiO ₂ nanotube arrays/ZnS. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
47	Photoluminescence and Photocatalytic Activity of ZnO/Mn Hierarchical Structures. <i>Journal of Electronic Materials</i> , 2017, 46, 347-353.	1.0	2
48	Facile synthesis of urchin-like ZnO nanostructures with enhanced optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1605-1611.	1.1	4
49	Growth and optical properties of hierarchical flower-like ZnO nanostructures. <i>Ceramics International</i> , 2017, 43, 3306-3313.	2.3	10
50	Solution Growth of Two-Dimensional Bi ₂ Se ₃ Nanosheets for Two-Color All-Optical Switching. <i>Materials</i> , 2017, 10, 1332.	1.3	8
51	Preparation of self-assembled hollow microsphere CdS via solvothermal method and its optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9725-9733.	1.1	11
52	The photocatalytic performance research of La ₂ O ₃ modified TiO ₂ nanotube arrays. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7073-7078.	1.1	3
53	Facile preparation of urchin-like ZnO nanostructures and their photocatalytic performance. <i>Ceramics International</i> , 2016, 42, 12409-12413.	2.3	11
54	Hydrothermal synthesis of ZnS microspheres with highly effective photocatalytic and antibacterial properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10237-10243.	1.1	9

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55	ZnS@ZnO nanocomposites: synthesis, characterization and enhanced photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2016, 27, 10282-10288.	1.1	15
56	Effects of Eu ³⁺ concentration and heat-treatment on photoluminescence properties of Zn _{1-x} Eu _x Al ₂ O ₄ phosphors. Journal of Materials Science: Materials in Electronics, 2016, 27, 1840-1846.	1.1	5
57	Preparation of controlled ZnO nanostructures and their optical properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 7227-7232.	1.1	2
58	Preparation of hierarchical CdS structures and effect of sodium dodecyl benzene sulfonate (SDBS) on the morphologies. Journal of Materials Science: Materials in Electronics, 2016, 27, 6750-6756.	1.1	0
59	Controllable synthesis, characterization of ZnS nanostructured spheres. Journal of Materials Science: Materials in Electronics, 2016, 27, 7167-7173.	1.1	6
60	Self-assembled urchin-like ZnO nanostructures fabricated by electrodeposition-hydrothermal method. Journal of Alloys and Compounds, 2016, 665, 62-68.	2.8	22
61	Sol-gel synthesis and photoluminescence properties of a novel Dy ³⁺ activated CaYAl ₃ O ₇ phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 7089-7094.	1.1	8
62	Preparation and photocatalytic activity of carbon coating TiO ₂ nanotubes. Superlattices and Microstructures, 2016, 89, 252-258.	1.4	4
63	Synthesis of Mg-doped hierarchical ZnO nanostructures via hydrothermal method and their optical properties. Journal of Alloys and Compounds, 2016, 657, 261-267.	2.8	33
64	Optical properties of flower-like CdS prepared by a hydrothermal method with SDBS as surfactant. Crystal Research and Technology, 2015, 50, 658-667.	0.6	2
65	Synthesis of radial-like ZnO structure by hydrothermal method with ZnSO ₄ ·7H ₂ O and Zn(CH ₃ COO) ₂ ·2H ₂ O as zinc sources. Crystal Research and Technology, 2015, 50, 414-419.	0.6	8
66	Facile synthesis and photocatalytic performance of self-assembly CuO microspheres. Superlattices and Microstructures, 2015, 85, 1-6.	1.4	32
67	Synthesis and photocatalytic activity of TiO ₂ nanotubes co-doped by erbium ions. Applied Surface Science, 2015, 328, 115-119.	3.1	21
68	Preparation of flower-like CdS with SDBS as surfactant by hydrothermal method and its optical properties. Applied Surface Science, 2015, 340, 18-24.	3.1	41
69	Controllable preparation of ZnO nanostructure using hydrothermal-electrodeposited method and its properties. Materials Chemistry and Physics, 2015, 153, 266-273.	2.0	25
70	Synthesis and enhanced photocatalytic property of feather-like Cd-doped CuO nanostructures by hydrothermal method. Applied Surface Science, 2015, 355, 191-196.	3.1	46
71	Controllable fabrication of nanowire-like CuO film by anodization and its properties. Applied Surface Science, 2015, 349, 636-643.	3.1	33
72	Synthesis of ZnO nanosheets via electrodeposition method and their optical properties, growth mechanism. Optical Materials, 2015, 46, 179-185.	1.7	52

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73	Synthesis and characterization of carbon modified TiO ₂ nanotube and photocatalytic activity on methylene blue under sunlight. <i>Applied Surface Science</i> , 2015, 344, 176-180.	3.1	38
74	Preparation of dendritic-like CdS by hydrothermal method and its photocatalytic performance. <i>Crystal Research and Technology</i> , 2015, 50, 338-345.	0.6	10
75	ZnO/Er ₂ O ₃ core-shell nanorod arrays: Synthesis, properties and growth mechanism. <i>Applied Surface Science</i> , 2015, 325, 117-123.	3.1	6
76	Synthesis, characterization and catalytic properties of S ₂ O ₈ ²⁻ /x wt% Ce-Al-Fe-O solid acid catalysts in the esterification reaction of acetic acid with n-butanol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 407-416.	0.8	1
77	Modification of kaolinite with alkylimidazolium salts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 133-140.	2.0	10
78	Controllable preparation, growth mechanism and the properties research of ZnO nanocrystal. <i>Superlattices and Microstructures</i> , 2014, 72, 91-101.	1.4	14
79	Fabrication of nanostructured CuO films by electrodeposition and their photocatalytic properties. <i>Applied Surface Science</i> , 2014, 317, 414-421.	3.1	158
80	Controllable fabrication of CuO nanostructure by hydrothermal method and its properties. <i>Applied Surface Science</i> , 2014, 311, 602-608.	3.1	149
81	Micro-arc oxidation of TC4 substrates to fabricate TiO ₂ /YAG:Ce ³⁺ compound films with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2011, 509, L137-L141.	2.8	37
82	Structure and photoluminescence properties of Ag-coated ZnO nano-needles. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5765-5768.	2.8	44
83	High Concentration Substitutional N-Doped TiO ₂ Film: Preparation, Characterization, and Photocatalytic Property. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4078-4083.	1.9	40
84	Synthesis, characterization and catalytic performances of S ₂ O ₈ ²⁻ /Al-x wt% Ce-Zn-O solid acid catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 102, 331-341.	0.8	3